

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1-14. (cancelled)

15. (currently amended) Process which comprises: providing an aluminum alloy melt having a magnesium content of at least 2.5 wt.%; and reducing the susceptibility to dross-forming of said aluminum alloy melt by adding to said melt from 0.02 to 0.08 wt.% vanadium and from 11 to 50 ppm beryllium said aluminum alloy melt consisting essentially of 2.5 to 7 wt.% magnesium, max 2.5 wt.% silicon, max 1.6 wt.% manganese, max 0.2 wt.% titanium, max 0.3 wt.% iron, max 0.2 wt.% cobalt, and aluminum as the remainder.

16. (previously presented) Process according to claim 15, including adding to the melt from 25 to 50 ppm beryllium.

17. (previously presented) Process according to claim 16, including adding to the melt from 0.02 to 0.05 wt.% vanadium.

18. (previously presented) Process according to claim 16, including providing an aluminum alloy melt having a magnesium content of at least 3.5 wt.%.

19. (previously presented) Process according to claim 18, including adding to the melt from 25 to 35 ppm beryllium.

20. (previously presented) Process according to claim 16, including providing an aluminum alloy melt having a magnesium content of less than 3.5 wt.%, and adding less than 25 ppm beryllium to the melt.

21. (previously presented) Process according to claim 16, including the step of holding said melt at a temperature of 750°C.

22. (previously presented) Process according to claim 16, including the step of holding said alloy melt in melt condition including said vanadium and beryllium addition for a period of time.

23. (previously presented) Process according to claim 15, which comprises: providing an aluminum casting alloy melt having the following composition:

2.5 to 7 wt.% magnesium,
max 2.5 wt.% silicon,
max 1.6 wt.% manganese,
max 0.2 wt.% titanium,
max 0.3 wt.% iron,
max 0.2 wt.% cobalt,

and aluminum as the remainder, and production-induced contaminants individually max 0.05 wt.% and total max 0.15 wt.%; and adding to said melt from 0.02 to 0.08 wt.% vanadium and from 25 to 50 ppm beryllium and thereby reducing the susceptibility to dross-forming of said aluminum casting alloy melt.

24. (previously presented) Process according to claim 23, which comprises providing an aluminum die casting alloy melt.

25. (currently amended) Process for forming an aluminum alloy comprising the steps of:

providing an aluminum alloy melt having a magnesium content of at least 2.5 wt.%; and reducing the susceptibility to dross-forming of said aluminum alloy melt by adding to said melt from 0.02 to 0.08 wt.% vanadium and from 11 to 50 ppm beryllium said aluminum alloy melt consisting essentially of 2.5 to 7 wt.% magnesium, max 2.5 wt.% silicon, max 1.6 wt.% manganese, max 0.2 wt.% titanium, max 0.3 wt.% iron, max 0.2 wt.% cobalt, and aluminum as the remainder; and

holding said aluminum alloy melt for a period of time greater than 50 hours.